Name of Work: Construction of RCC Drains and Culverts at Adithya Nagara, Chandrappa layout and Surrounding Areas in ward No. 03, Yelahanka Satellite Town sub Division

PRE-MESUREMENT SHEETS

"FIRST AND PART BILL"

Name of Work: Construction of RCC Drains and Culverts at Adithya Nagara, Chandrappa layout and Surrounding Areas in ward No. 03, Yelahanka Satellite Town sub Division

Date of Pre-Measurement : 14 | 11 | 2019

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.							
	Chandrappa layout							
	Drain Desilt							
	1st main							
	RHS From Main Road							
	Ch: 0 to 18.3m		1	18.30	0.60	0.40	4.39	
	Ch: 18.3 to 21.0m		1	2.70	0.60	0.40	0.65	
	Ch: 21 to 37.4m		1	16.40	0.60	0.40	3.94	
	Ch: 37.4 to 40.4m		1	3.00	0.60	0.40	0.72	
	Ch: 40.4 to 55.1m		1	14.70	0.60	0.40	3.53	
	Ch: 55.1 to 57.1m		1	2.00	0.60	0.40	0.48	
	Ch: 57.1 to 64.3m		1	7.20	0.60	0.30	1.30	
	Ch: 64.3 to 67.3m		1	3.00	0.60	0.30	0.54	
	Ch: 67.3 to 82.7m		1	15.40	0.60	0.30	2.77	
	Ch: 82.7 to 86.4m		1	3.70	0.60	0.30	0.67	
	Ch: 86.4 to 101.1m		1	14.70	0.60	0.30	2.65	
	Ch: 101.1 to 108.5m		1	7.40	0.60	0.30	1.33	
	Ch: 108.5 to 128.7m		1	20.20	0.60	0.40	4.85	
	Ch: 128.7 to 131.0m		1	2.30	0.60	0.40	0.55	
	Ch: 131 to 138.7m		1	7.70	0.60	0.40	1.85	
	Ch: 138.7 to 142.4m		1	3.70	0.60	0.40	0.89	
	Ch: 142.4 to 156.1m		1	13.70	0.60	0.40	3.29	
	Ch: 156.1 to 177.5m		1	21.40	0.60	0.40	5.14	
	Ch: 177.5 to 184.5m		1	7.00	0.60	0.30	1.26	
	Ch: 184.5 to 192.3m		1	7.80	0.60	0.30	1.40	
	Ch: 192.3 to 195.9m		1	3.60	0.60	0.30	0.65	
	Ch: 195.9 to 216.8m		1	20.90	0.60	0.30	3.76	
	LHS from Dead End							
	Ch: 0 to 5.0m		1	5.00	0.60	0.40	1.20	
	Ch: 5 to 8.0m		1	3.00	0.60	0.40	0.72	
	Ch: 8 to 13.9m		1	5.90	0.60	0.40	1.42	
	Ch: 13.9 to 38.9m		1	25.00	0.60	0.40	6.00	
	Road Gap							
	Ch: 0 to 5.3m		1	5.30	0.60	0.30	0.95	
	Ch: 5.3 to 7.7m		1	2.40	0.60	0.30	0.43	
	Ch: 7.7 to 14.6m		1	6.90	0.60	0.30	1.24	
	Ch: 14.6 to 22.2m		1	7.60	0.60	0.30	1.37	
	Ch: 22.2 to 29.9m		1	7.70	0.60	0.30	1.39	
	Ch: 29.9 to 42.4m		1	12.50	0.60	0.40	3.00	

	Ch: 42.4 to 55.1m		1	12.70	0.60	0.40	3.05	
	Road Gap							
	Ch: 0 to 24.2m		1	24.20	0.60	0.40	5.81	
	Road Gap							
	Ch: 0 to 12.9m		1	12.90	0.60	0.40	3.10	
	Ch: 12.9 to 25.2m		1	12.30	0.60	0.40	2.95	
	Road Gap							
	Ch: 0 to 2.7m		1	2.70	0.60	0.30	0.49	
	Ch: 2.7 to 4.7m		1	2.00	0.60	0.30	0.36	
	Ch: 4.7 to 22.3m		1	17.60	0.60	0.30	3.17	
	Ch: 22.3 to 25.3m		1	3.00	0.60	0.30	0.54	
	Ch: 25.3 to 53.3m		1	28.00	0.60	0.30	5.04	
	RCC Drain							
	1st main 1st cross							
	LHS							
	Ch: 0 to 5.2m		1	5.20				
	Ch: 5.2 to 11.2m		1	6.00	1.00	0.90	5.40	
	Ch: 11.2 to 14.9m		1	3.70	1.00	0.90	3.33	
	Ch: 14.9 to 28.2m		1	13.30	1.00	0.90	11.97	
	Ch: 28.2 to 31.8m		1	3.60	1.00	0.90	3.24	
	Ch: 31.8 to 46.5m		1	14.70	1.00	0.90	13.23	
	RHS							
	Ch: 0 to 26.9m		1	26.90	1.00	0.90	24.21	
	Ch: 26.9 to 37.3m		1	10.40	1.00	0.90	9.36	
	Ch: 37.3 to 46.9m		1	9.60	1.00	0.90	8.64	
	1st main 2nd cross							
	LHS							
	Ch: 0 to 18.2m		1	18.20	1.00	0.90	16.38	
	Ch: 18.2 to 22.4m		1	4.20	1.00	0.90	3.78	
	Ch: 22.4 to 46.8m		1	24.40	1.00	0.90	21.96	
	RHS							
	Ch: 0 to 10.4m		1	10.40				
	Ch: 10.4 to 28.2m		1	17.80	1.00	0.90	16.02	
	Ch: 28.2 to 48.9m		1	20.70	1.00	0.90	18.63	
	1st main 3rd cross							
	LHS							
	Ch: 0 to 16.0m		1	16.00	1.00	0.90	14.40	
	Ch: 16.0 to 34.2m		1	18.20	1.00	0.90	16.38	
	Ch: 34.2 to 48.7m		1	14.50	1.00	0.90	13.05	
	RHS							
	Ch: 0 to 10.0m		1	10.00				
	Ch: 10 to 19.0m		1	9.00	1.00	0.90	8.10	
	Ch: 19 to 28.2m		1	9.20	1.00	0.90	8.28	
	Ch: 28.2 to 46.9m		1	18.70	1.00	0.90	16.83	
	1st main 4th cross							
	LHS							
	Ch: 0 to 6.5m		1	6.50	1.00	0.90	5.85	
	Ch: 6.5 to 10.3m		1	3.80	1.00	0.90	3.42	
	Ch: 10.3 to 17.3m		1	7.00	1.00	0.90	6.30	
	Ch: 17.3 to 27.2m		1	9.90	1.00	0.90	8.91	

	Ch: 27.2 to 46.7m		1	19.50	1.00	0.90	17.55	
	RHS							
	Ch: 0 to 9.8m		1	9.80				
	Ch: 9.8 to 39.8m		1	30.00	1.00	0.90	27.00	
	Ch: 39.8 to 46.9m		1	7.10	1.00	0.90	6.39	
	1st main 5th cross							
	LHS							
	Ch; 0 to 5.8m		1	5.80	1.00	0.90	5.22	
	Ch: 5.8 to 35.6m		1	29.80	1.00	0.90	26.82	
	Ch: 35.6 to 37.5m		1	1.90	1.00	0.90	1.71	
	Ch: 37.5 to 46.9m		1	9.40	1.00	0.90	8.46	
	RHS							
	Ch: 0 to 10.5m		1	10.50	1.00	0.90	9.45	
	Ch: 10.5 to 15.3m		1	4.80	1.00	0.90	4.32	
	Ch: 15.3 to 21.5m		1	6.20				
	Ch: 21.5 to 33.1m		1	11.60	1.00	0.90	10.44	
	Ch: 33.1 to 46.8m		1	13.70	1.00	0.90	12.33	
	Chandrappa Layout							
	2nd main							
	LHS							
	Ch: 0 to 7.4m		1	7.40	1.00	1.10	8.14	
	Ch: 7.4 to 10.4m		1	3.00	1.00	1.10	3.30	
	Ch: 10.4 to 13.4m		1	3.00	1.00	1.10	3.30	
	Ch: 13.4 to 22.1m		1	8.70	1.00	1.10	9.57	
	Ch: 22.1 to 25.2m		1	3.10	1.00	1.10	3.41	
	Road Gap							
	Ch: 0 to 25.1m		1	25.10	1.00	1.10	27.61	
	Road Gap							
	Ch: 0 to 26.9m		1	26.90	1.00	1.10	29.59	
	Road Gap							
	Ch: 0 to 4.6m		1	4.60	1.00	1.10	5.06	
	Ch: 4.6 to 8.3m		1	3.70	1.00	1.10	4.07	
	Ch: 8.3 to 15.6m		1	7.30	1.00	1.10	8.03	
	Ch: 15.6 to 25.1m		1	9.50				
	Road Gap							
	Ch: 0 to 9.5m		1	9.50	1.00	1.10	10.45	
	Ch: 9.5 to 12.8m		1	3.30				
	Ch: 12.8 to 25.3m		1	12.50	1.00	1.10	13.75	
	Road Gap							
	Ch: 0 to 24.6m		1	24.60	1.00	1.10	27.06	
	Road Gap							
	Ch: 0 to 25.4m		1	25.40	1.00	1.10	27.94	
	RHS							
	Ch: 0 to 26.0m		1	26.00	1.00	1.10	28.60	
	Road Gap							
	Ch: 0 to 12.0m		1	12.00	1.00	1.10	13.20	
	Ch: 12.0 to 25.2m		1	13.20				
	Road Gap							
	Ch: 0 to 13.6m		1	13.60				
	Ch: 13.6 to 26.9m		1	13.30	1.00	1.10	14.63	

	Road Gap							
	Ch: 0 to 13.2m		1	13.20				
	Ch: 13.2 to 26.4m		1	13.20	1.00	1.10	14.52	
	Road Gap							
	Ch: 0 to 26.8m		1	26.80				
	Road Gap							
	Ch: 0 to 28.2m		1	28.20	1.00	1.10	31.02	
	Ch: 28.2 to 33.4m		1	5.20	1.00	1.10	5.72	
	Ch: 33.4 to 35.2m		1	1.80	1.00	1.10	1.98	
	Ch: 35.2 to 37.0m		1	1.80	1.00	1.10	1.98	
	Ch: 37.0 to 58.8m		1	21.80	1.00	1.10	23.98	
	2nd main1st cross							
	LHS							
	Ch: 0 to 30.0m		1	30.00	1.00	0.90	27.00	
	Ch: 30.0 to 56.0m		1	26.00	1.00	0.90	23.40	
	RHS							
	Ch: 0 to 30.0m		1	30.00	1.00	0.90	27.00	
	Ch: 30.0 to 60.0m		1	30.00	1.00	0.90	27.00	
	Ch: 60.0 to 70.0m		1	10.00	1.00	0.90	9.00	
	Culvert							
	2nd main		1	7.00	1.50	1.00	10.50	
	2nd main		1	8.90	1.80	1.00	16.02	
						Present Qty	**933.00**	**Cum**

Contractor

PMC

Assistant Engineer

14/11/2019

C&FC

14/11/2019

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
Asst Executive Engineer
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Name of Work: Construction of RCC Drains and Culverts at Adithya Nagara, Chandrappa layout and Surrounding Areas in ward No. 03, Yelahanka Satellite Town sub Division

Date of Pre-Measurement : 2/12/2019

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
2	Plain cement concrete M10 mix with crushed stone aggregate 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing including cost of materials, labour, HOM complete as per specifications.							
	Chandrappa layout							
	RCC Drain							
	1st main 1st cross							
	LHS							
	Ch: 0 to 5.2m		1	5.20				
	Ch: 5.2 to 11.2m		1	6.00	1.00	0.15	0.90	
	Ch: 11.2 to 14.9m		1	3.70	1.00	0.15	0.56	
	Ch: 14.9 to 28.2m		1	13.30	1.00	0.15	2.00	
	Ch: 28.2 to 31.8m		1	3.60	1.00	0.15	0.54	
	Ch: 31.8 to 46.5m		1	14.70	1.00	0.15	2.21	
	RHS							
	Ch: 0 to 26.9m		1	26.90	1.00	0.15	4.04	
	Ch: 26.9 to 37.3m		1	10.40	1.00	0.15	1.56	
	Ch: 37.3 to 46.9m		1	9.60	1.00	0.15	1.44	
	1st main 2nd cross							
	LHS							
	Ch: 0 to 18.2m		1	18.20	1.00	0.15	2.73	
	Ch: 18.2 to 22.4m		1	4.20	1.00	0.15	0.63	
	Ch: 22.4 to 46.8m		1	24.40	1.00	0.15	3.66	
	RHS							
	Ch: 0 to 10.4m		1	10.40				
	Ch: 10.4 to 28.2m		1	17.80	1.00	0.15	2.67	
	Ch: 28.2 to 48.9m		1	20.70	1.00	0.15	3.11	
	1st main 3rd cross							
	LHS							
	Ch: 0 to 16.0m		1	16.00	1.00	0.15	2.40	
	Ch: 16.0 to 34.2m		1	18.20	1.00	0.15	2.73	
	Ch: 34.2 to 48.7m		1	14.50	1.00	0.15	2.18	
	RHS							
	Ch: 0 to 10.0m		1	10.00				
	Ch: 10 to 19.0m		1	9.00	1.00	0.15	1.35	
	Ch: 19 to 28.2m		1	9.20	1.00	0.15	1.38	
	Ch: 28.2 to 46.9m		1	18.70	1.00	0.15	2.81	
	1st main 4th cross							
	LHS							
	Ch: 0 to 6.5m		1	6.50	1.00	0.15	0.98	
	Ch: 6.5 to 10.3m		1	3.80	1.00	0.15	0.57	
	Ch: 10.3 to 17.3m		1	7.00	1.00	0.15	1.05	
	Ch: 17.3 to 27.2m		1	9.90	1.00	0.15	1.49	
	Ch: 27.2 to 46.7m		1	19.50	1.00	0.15	2.93	

	RHS							
	Ch: 0 to 9.8m		1	9.80				
	Ch: 9.8 to 39.8m		1	30.00	1.00	0.15	4.50	
	Ch: 39.8 to 46.9m		1	7.10	1.00	0.15	1.07	
	1st main 5th cross							
	LHS							
	Ch: 0 to 5.8m		1	5.80	1.00	0.15	0.87	
	Ch: 5.8 to 35.6m		1	29.80	1.00	0.15	4.47	
	Ch: 35.6 to 37.5m		1	1.90	1.00	0.15	0.29	
	Ch: 37.5 to 46.9m		1	9.40	1.00	0.15	1.41	
	RHS							
	Ch: 0 to 10.5m		1	10.50	1.00	0.15	1.58	
	Ch: 10.5 to 15.3m		1	4.80	1.00	0.15	0.72	
	Ch: 15.3 to 21.5m		1	6.20				
	Ch: 21.5 to 33.1m		1	11.60	1.00	0.15	1.74	
	Ch: 33.1 to 46.8m		1	13.70	1.00	0.15	2.06	
	Chandrappa Layout							
	2nd main							
	LHS							
	Ch: 0 to 7.4m		1	7.40	1.00	0.15	1.11	
	Ch: 7.4 to 10.4m		1	3.00	1.00	0.15	0.45	
	Ch: 10.4 to 13.4m		1	3.00	1.00	0.15	0.45	
	Ch: 13.4 to 22.1m		1	8.70	1.00	0.15	1.31	
	Ch: 22.1 to 25.2m		1	3.10	1.00	0.15	0.47	
	Road Gap							
	Ch: 0 to 25.1m		1	25.10	1.00	0.15	3.77	
	Road Gap							
	Ch: 0 to 26.9m		1	26.90	1.00	0.15	4.04	
	Road Gap							
	Ch: 0 to 4.6m		1	4.60	1.00	0.15	0.69	
	Ch: 4.6 to 8.3m		1	3.70	1.00	0.15	0.56	
	Ch: 8.3 to 15.6m		1	7.30	1.00	0.15	1.10	
	Ch: 15.6 to 25.1m		1	9.50				
	Road Gap							
	Ch: 0 to 9.5m		1	9.50	1.00	0.15	1.43	
	Ch: 9.5 to 12.8m		1	3.30				
	Ch: 12.8 to 25.3m		1	12.50	1.00	0.15	1.88	
	Road Gap							
	Ch: 0 to 24.6m		1	24.60	1.00	0.15	3.69	
	Road Gap							
	Ch: 0 to 25.4m		1	25.40	1.00	0.15	3.81	
	RHS							
	Ch: 0 to 26.0m		1	26.00	1.00	0.15	3.90	
	Road Gap							
	Ch: 0 to 12.0m		1	12.00	1.00	0.15	1.80	
	Ch: 12.0 to 25.2m		1	13.20				
	Road Gap							
	Ch: 0 to 13.6m		1	13.60				
	Ch: 13.6 to 26.9m		1	13.30	1.00	0.15	2.00	
	Road Gap							

	Ch: 0 to 13.2m		1	13.20				
	Ch: 13.2 to 26.4m		1	13.20	1.00	0.15	1.98	
	Road Gap							
	Ch: 0 to 26.8m		1	26.80				
	Road Gap							
	Ch: 0 to 28.2m		1	28.20	1.00	0.15	4.23	
	Ch: 28.2 to 33.4m		1	5.20	1.00	0.15	0.78	
	Ch: 33.4 to 35.2m		1	1.80	1.00	0.15	0.27	
	Ch: 35.2 to 37.0m		1	1.80	1.00	0.15	0.27	
	Ch: 37.0 to 58.8m		1	21.80	1.00	0.15	3.27	
	2nd main1st cross							
	LHS							
	Ch: 0 to 30.0m		1	30.00	1.00	0.15	4.50	
	Ch: 30.0 to 56.0m		1	26.00	1.00	0.15	3.90	
	RHS							
	Ch: 0 to 30.0m		1	30.00	1.00	0.15	4.50	
	Ch: 30.0 to 60.0m		1	30.00	1.00	0.15	4.50	
	Ch: 60.0 to 70.0m		1	10.00	1.00	0.15	1.50	
	For Kerb stone							
	Chandrappa Layout							
	2nd main							
	LHS							
	Ch: 0 to 7.4m		1	7.40	0.20	0.15	0.22	
	Ch: 7.4 to 10.4m		1	3.00	0.20	0.15	0.09	
	Ch: 10.4 to 13.4m		1	3.00	0.20	0.15	0.09	
	Ch: 13.4 to 22.1m		1	8.70	0.20	0.15	0.26	
	Ch: 22.1 to 25.2m		1	3.10	0.20	0.15	0.09	
	Road Gap							
	Ch: 0 to 25.1m		1	25.10	0.20	0.15	0.75	
	Road Gap							
	Ch: 0 to 26.9m		1	26.90	0.20	0.15	0.81	
	Road Gap							
	Ch: 0 to 4.6m		1	4.60	0.20	0.15	0.14	
	Ch: 4.6 to 8.3m		1	3.70	0.20	0.15	0.11	
	Ch: 8.3 to 15.6m		1	7.30	0.20	0.15	0.22	
	Ch: 15.6 to 25.1m		1	9.50				
	Road Gap							
	Ch: 0 to 9.5m		1	9.50	0.20	0.15	0.29	
	Ch: 9.5 to 12.8m		1	3.30				
	Ch: 12.8 to 25.3m		1	12.50	0.20	0.15	0.38	
	Road Gap							
	Ch: 0 to 24.6m		1	24.60	0.20	0.15	0.74	
	Road Gap							
	Ch: 0 to 25.4m		1	25.40	0.20	0.15	0.76	
	RHS							
	Ch: 0 to 26.0m		1	26.00	0.20	0.15	0.78	
	Road Gap							
	Ch: 0 to 12.0m		1	12.00	0.20	0.15	0.36	
	Ch: 12.0 to 25.2m		1	13.20				
	Road Gap							

	Ch: 0 to 13.6m		1	13.60				
	Ch: 13.6 to 26.9m		1	13.30	0.20	0.15	0.40	
	Road Gap							
	Ch: 0 to 13.2m		1	13.20				
	Ch: 13.2 to 26.4m		1	13.20	0.20	0.15	0.40	
	Road Gap							
	Ch: 0 to 26.8m		1	26.80				
	Road Gap							
	Ch: 0 to 28.2m		1	28.20	0.20	0.15	0.85	
	Ch: 28.2 to 33.4m		1	5.20	0.20	0.15	0.16	
	Ch: 33.4 to 35.2m		1	1.80	0.20	0.15	0.05	
	Ch: 35.2 to 37.0m		1	1.80	0.20	0.15	0.05	
	Ch: 37.0 to 58.8m		1	21.80	0.20	0.15	0.65	
	SSM Drain							
	1st main							
	RHS From Main Road							
	Ch: 0 to 18.3m		1	18.30	0.20	0.15	0.55	
	Ch: 18.3 to 21.0m		1	2.70	0.20	0.15	0.08	
	Ch: 21 to 37.4m		1	16.40	0.20	0.15	0.49	
	Ch: 37.4 to 40.4m		1	3.00	0.20	0.15	0.09	
	Ch: 40.4 to 55.1m		1	14.70	0.20	0.15	0.44	
	Ch: 55.1 to 57.1m		1	2.00	0.20	0.15	0.06	
	Ch: 57.1 to 64.3m		1	7.20	0.20	0.15	0.22	
	Ch: 64.3 to 67.3m		1	3.00	0.20	0.15	0.09	
	Ch: 67.3 to 82.7m		1	15.40	0.20	0.15	0.46	
	Ch: 82.7 to 86.4m		1	3.70	0.20	0.15	0.11	
	Ch: 86.4 to 101.1m		1	14.70	0.20	0.15	0.44	
	Ch: 101.1 to 108.5m		1	7.40	0.20	0.15	0.22	
	Ch: 108.5 to 128.7m		1	20.20	0.20	0.15	0.61	
	Ch: 128.7 to 131.0m		1	2.30	0.20	0.15	0.07	
	Ch: 131 to 138.7m		1	7.70	0.20	0.15	0.23	
	Ch: 138.7 to 142.4m		1	3.70	0.20	0.15	0.11	
	Ch: 142.4 to 156.1m		1	13.70	0.20	0.15	0.41	
	Ch: 156.1 to 177.5m		1	21.40	0.20	0.15	0.64	
	Ch: 177.5 to 184.5m		1	7.00	0.20	0.15	0.21	
	Ch: 184.5 to 192.3m		1	7.80	0.20	0.15	0.23	
	Ch: 192.3 to 195.9m		1	3.60	0.20	0.15	0.11	
	Ch: 195.9 to 216.8m		1	20.90	0.20	0.15	0.63	
	LHS from Dead End							
	Ch: 0 to 5.0m		1	5.00	0.20	0.15	0.15	
	Ch: 5 to 8.0m		1	3.00	0.20	0.15	0.09	
	Ch: 8 to 13.9m		1	5.90	0.20	0.15	0.18	
	Ch: 13.9 to 38.9m		1	25.00	0.20	0.15	0.75	
	Road Gap							
	Ch: 0 to 5.3m		1	5.30	0.20	0.15	0.16	
	Ch: 5.3 to 7.7m		1	2.40	0.20	0.15	0.07	
	Ch: 7.7 to 14.6m		1	6.90	0.20	0.15	0.21	
	Ch: 14.6 to 22.2m		1	7.60	0.20	0.15	0.23	
	Ch: 22.2 to 29.9m		1	7.70	0.20	0.15	0.23	
	Ch: 29.9 to 42.4m		1	12.50	0.20	0.15	0.38	

	Ch: 42.4 to 55.1m		1	12.70	0.20	0.15	0.38	
	Road Gap							
	Ch: 0 to 24.2m		1	24.20	0.20	0.15	0.73	
	Road Gap							
	Ch: 0 to 12.9m		1	12.90	0.20	0.15	0.39	
	Ch: 12.9 to 25.2m		1	12.30	0.20	0.15	0.37	
	Road Gap							
	Ch: 0 to 2.7m		1	2.70	0.20	0.15	0.08	
	Ch: 2.7 to 4.7m		1	2.00	0.20	0.15	0.06	
	Ch: 4.7 to 22.3m		1	17.60	0.20	0.15	0.53	
	Ch: 22.3 to 25.3m		1	3.00	0.20	0.15	0.09	
	Ch: 25.3 to 53.3m		1	28.00	0.20	0.15	0.84	
	Culvert							
	2nd main		1	7.00	1.50	0.15	1.58	
	2nd main		1	8.90	1.80	0.15	2.40	
						Present Qty	**151.70**	**Cum**

Contractor

BMC

Assistant Engineer

I C & F C

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ಯಲಹಂಕ ವಿಭಾಗ Executive Engineer
ಬ.ಬ.ಎಂ.ಕ. ಬೆಂಗಳೂರು-106

24/12/2019

24/12/2019

Name of Work: Construction of RCC Drains and Culverts at Adithya Nagara, Chandrappa layout and Surrounding Areas in ward No. 03, Yelahanka Satellite Town sub Division

Date of Pre-Measurement : 18|12|2019

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
3	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification.							
	Chandrappa layout							
	1st main 1st cross							
	Total Drain length=41.30m							
	Main bar 10mm dia bar @ 130mm							
	0.61kg/mtr							
	No of U-bar=317.00Nos		317	2.10		0.61	406.08	
	Distribution bar							
	Distribution bar 10mm dia @ 150mm							
	0.61kg/mtr		14	41.30		0.61	352.70	
	1st main 1st cross							
	Total Drain length=46.90m							
	Main bar 10mm dia bar @ 130mm							
	0.61kg/mtr							
	No of U-bar=360.00Nos		360	2.10		0.61	461.16	
	Distribution bar							
	Distribution bar 10mm dia @ 150mm							
	0.61kg/mtr		14	46.90		0.61	400.53	
	1st main 2nd cross							
	Total Drain length=46.80m							
	Main bar 10mm dia bar @ 130mm							
	0.61kg/mtr							
	No of U-bar=360.00Nos		360	2.10		0.61	461.16	
	Distribution bar							
	Distribution bar 10mm dia @ 150mm							
	0.61kg/mtr		14	46.80		0.61	399.67	
	1st main 2nd cross							
	Total Drain length=38.50m							
	Main bar 10mm dia bar @ 130mm							
	0.61kg/mtr							
	No of U-bar=296.00Nos		296	2.10		0.61	379.18	
	Distribution bar							
	Distribution bar 10mm dia @ 150mm							
	0.61kg/mtr		14	38.50		0.61	328.79	
	1st main 3rd cross							
	Total Drain length=48.70m							
	Main bar 10mm dia bar @ 130mm							
	0.61kg/mtr							

	No of U-bar=374.00Nos		374	2.10		0.61	479.09	
	Distribution bar							
	Distribution bar 10mm dia @ 150mm							
	0.61kg/mtr		14	48.70		0.61	415.90	
	1st main 3rd cross							
	Total Drain length=36.90m							
	Main bar 10mm dia bar @ 130mm							
	0.61kg/mtr							
	No of U-bar=283.00Nos		283	2.10		0.61	362.52	
	Distribution bar							
	Distribution bar 10mm dia @ 150mm							
	0.61kg/mtr		14	36.90		0.61	315.13	
	1st main 4th cross							
	Total Drain length=46.70m							
	Main bar 10mm dia bar @ 130mm							
	0.61kg/mtr							
	No of U-bar=359.00Nos		359	2.10		0.61	459.88	
	Distribution bar							
	Distribution bar 10mm dia @ 150mm							
	0.61kg/mtr		14	46.70		0.61	398.82	
	1st main 4th cross							
	Total Drain length=37.10m							
	Main bar 10mm dia bar @ 130mm							
	0.61kg/mtr							
	No of U-bar=285.00Nos		285	2.10		0.61	365.09	
	Distribution bar							
	Distribution bar 10mm dia @ 150mm							
	0.61kg/mtr		14	37.10		0.61	316.83	
	1st main 5th cross							
	Total Drain length=46.90m							
	Main bar 10mm dia bar @ 130mm							
	0.61kg/mtr							
	No of U-bar=360.00Nos		360	2.10		0.61	461.16	
	Distribution bar							
	Distribution bar 10mm dia @ 150mm							
	0.61kg/mtr		14	46.90		0.61	400.53	
	1st main 5th cross							
	Total Drain length=40.60m							
	Main bar 10mm dia bar @ 130mm							
	0.61kg/mtr							
	No of U-bar=312.00Nos		312	2.10		0.61	399.67	
	Distribution bar							
	Distribution bar 10mm dia @ 150mm							
	0.61kg/mtr		14	40.60		0.61	346.72	
	2nd main							
	Total Drain length=164.80m							
	Main bar 10mm dia bar @ 130mm							
	0.61kg/mtr							
	No of U-bar=1267.00Nos		1267	2.50		0.61	1932.18	

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	Distribution bar							
	Distribution bar 10mm dia @ 150mm							
	0.61kg/mtr		18	164.80		0.61	1809.50	
	2nd main							
	Total Drain length=123.30m							
	Main bar 10mm dia bar @ 130mm							
	0.61kg/mtr							
	No of U-bar=948.00Nos		948	2.50		0.61	1445.70	
	Distribution bar							
	Distribution bar 10mm dia @ 150mm							
	0.61kg/mtr		18	123.30		0.61	1336.08	
	2nd main 1st cross							
	Total Drain length=56.0m							
	Main bar 10mm dia bar @ 130mm							
	0.61kg/mtr							
	No of U-bar=430.00Nos		430	2.05		0.61	537.72	
	Distribution bar							
	Distribution bar 10mm dia @ 150mm							
	0.61kg/mtr		14	56.00		0.61	478.24	
	2nd main 1st cross							
	Total Drain length=70.0m							
	Main bar 10mm dia bar @ 130mm							
	0.61kg/mtr							
	No of U-bar=538.00Nos		538	2.10		0.61	689.18	
	Distribution bar							
	Distribution bar 10mm dia @ 150mm							
	0.61kg/mtr		14	123.30		0.61	1052.98	
	Culvert Length							
	Total Drain length=15.90m							
	Main bar 12mm dia bar @ 160mm							
	0.89kg/mtr, Double mat							
	No of U-bar=176.00Nos		198	2.30		0.89	405.31	
	Distribution bar							
	Distribution bar 10mm dia @ 170mm							
	0.61kg/mtr, , Double mat		28	15.90		0.61	271.57	
							17869.05	
						Present Qty	**17.87**	**Ton**

Contractor

RMC

Assistant Engineer

C & C
18/12/2019

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ಯಲಹಂಕ ಉಪವಲಯ ಉಪವಿಭಾಗ.
ಬ.ಬ.ಪಾ.ಕ. ಬೆಂಗಳೂರು-106

Asst. Executive Engineer,

18/12/2019

Name of Work: Construction of RCC Drains and Culverts at Adithya Nagara, Chandrappa layout and Surrounding Areas in ward No. 03, Yelahanka Satellite Town sub Division

Date of Pre-Measurement : 29/01/2020

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification							
	Chandrappa layout							
	RCC Drain							
	Raft							
	1st main 1st cross							
	LHS							
	Ch: 0 to 5.2m		1	5.20				
	Ch: 5.2 to 11.2m		1	6.00	0.90	0.15	0.81	
	Ch: 11.2 to 14.9m		1	3.70	0.90	0.15	0.50	
	Ch: 14.9 to 28.2m		1	13.30	0.90	0.15	1.80	
	Ch: 28.2 to 31.8m		1	3.60	0.90	0.15	0.49	
	Ch: 31.8 to 46.5m		1	14.70	0.90	0.15	1.98	
	RHS							
	Ch: 0 to 26.9m		1	26.90	0.90	0.15	3.63	
	Ch: 26.9 to 37.3m		1	10.40	0.90	0.15	1.40	
	Ch: 37.3 to 46.9m		1	9.60	0.90	0.15	1.30	
	1st main 2nd cross							
	LHS							
	Ch: 0 to 18.2m		1	18.20	0.90	0.15	2.46	
	Ch: 18.2 to 22.4m		1	4.20	0.90	0.15	0.57	
	Ch: 22.4 to 46.8m		1	24.40	0.90	0.15	3.29	
	RHS							
	Ch: 0 to 10.4m		1	10.40				
	Ch: 10.4 to 28.2m		1	17.80	0.90	0.15	2.40	
	Ch: 28.2 to 48.9m		1	20.70	0.90	0.15	2.79	
	1st main 3rd cross							
	LHS							
	Ch: 0 to 16.0m		1	16.00	0.90	0.15	2.16	
	Ch: 16.0 to 34.2m		1	18.20	0.90	0.15	2.46	
	Ch: 34.2 to 48.7m		1	14.50	0.90	0.15	1.96	
	RHS							
	Ch: 0 to 10.0m		1	10.00				
	Ch: 10 to 19.0m		1	9.00	0.90	0.15	1.22	
	Ch: 19 to 28.2m		1	9.20	0.90	0.15	1.24	
	Ch: 28.2 to 46.9m		1	18.70	0.90	0.15	2.52	
	1st main 4th cross							
	LHS							
	Ch: 0 to 6.5m		1	6.50	0.90	0.15	0.88	
	Ch: 6.5 to 10.3m		1	3.80	0.90	0.15	0.51	

	Ch: 10.3 to 17.3m		1	7.00	0.90	0.15	0.95	
	Ch: 17.3 to 27.2m		1	9.90	0.90	0.15	1.34	
	Ch: 27.2 to 46.7m		1	19.50	0.90	0.15	2.63	
	RHS							
	Ch: 0 to 9.8m		1	9.80				
	Ch: 9.8 to 39.8m		1	30.00	0.90	0.15	4.05	
	Ch: 39.8 to 46.9m		1	7.10	0.90	0.15	0.96	
	1st main 5th cross							
	LHS							
	Ch: 0 to 5.8m		1	5.80	0.90	0.15	0.78	
	Ch: 5.8 to 35.6m		1	29.80	0.90	0.15	4.02	
	Ch: 35.6 to 37.5m		1	1.90	0.90	0.15	0.26	
	Ch: 37.5 to 46.9m		1	9.40	0.90	0.15	1.27	
	RHS							
	Ch: 0 to 10.5m		1	10.50	0.90	0.15	1.42	
	Ch: 10.5 to 15.3m		1	4.80	0.90	0.15	0.65	
	Ch: 15.3 to 21.5m		1	6.20				
	Ch: 21.5 to 33.1m		1	11.60	0.90	0.15	1.57	
	Ch: 33.1 to 46.8m		1	13.70	0.90	0.15	1.85	
	Chandrappa Layout							
	2nd main							
	LHS							
	Ch: 0 to 7.4m		1	7.40	0.90	0.15	1.00	
	Ch: 7.4 to 10.4m		1	3.00	0.90	0.15	0.41	
	Ch: 10.4 to 13.4m		1	3.00	0.90	0.15	0.41	
	Ch: 13.4 to 22.1m		1	8.70	0.90	0.15	1.17	
	Ch: 22.1 to 25.2m		1	3.10	0.90	0.15	0.42	
	Road Gap							
	Ch: 0 to 25.1m		1	25.10	0.90	0.15	3.39	
	Road Gap							
	Ch: 0 to 26.9m		1	26.90	0.90	0.15	3.63	
	Road Gap							
	Ch: 0 to 4.6m		1	4.60	0.90	0.15	0.62	
	Ch: 4.6 to 8.3m		1	3.70	0.90	0.15	0.50	
	Ch: 8.3 to 15.6m		1	7.30	0.90	0.15	0.99	
	Ch: 15.6 to 25.1m		1	9.50				
	Road Gap							
	Ch: 0 to 9.5m		1	9.50	0.90	0.15	1.28	
	Ch: 9.5 to 12.8m		1	3.30				
	Ch: 12.8 to 25.3m		1	12.50	0.90	0.15	1.69	
	Road Gap							
	Ch: 0 to 24.6m		1	24.60	0.90	0.15	3.32	
	Road Gap							
	Ch: 0 to 25.4m		1	25.40	0.90	0.15	3.43	
	RHS							
	Ch: 0 to 26.0m		1	26.00	0.90	0.15	3.51	
	Road Gap							
	Ch: 0 to 12.0m		1	12.00	0.90	0.15	1.62	
	Ch: 12.0 to 25.2m		1	13.20				
	Road Gap							

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	Ch: 0 to 13.6m		1	13.60				
	Ch: 13.6 to 26.9m		1	13.30	0.90	0.15	1.80	
	Road Gap							
	Ch: 0 to 13.2m		1	13.20				
	Ch: 13.2 to 26.4m		1	13.20	0.90	0.15	1.78	
	Road Gap							
	Ch: 0 to 26.8m		1	26.80				
	Road Gap							
	Ch: 0 to 28.2m		1	28.20	0.90	0.15	3.81	
	Ch: 28.2 to 33.4m		1	5.20	0.90	0.15	0.70	
	Ch: 33.4 to 35.2m		1	1.80	0.90	0.15	0.24	
	Ch: 35.2 to 37.0m		1	1.80	0.90	0.15	0.24	
	Ch: 37.0 to 58.8m		1	21.80	0.90	0.15	2.94	
	2nd main1st cross							
	LHS							
	Ch: 0 to 30.0m		1	30.00	0.90	0.15	4.05	
	Ch: 30.0 to 56.0m		1	26.00	0.90	0.15	3.51	
	RHS							
	Ch: 0 to 30.0m		1	30.00	0.90	0.15	4.05	
	Ch: 30.0 to 60.0m		1	30.00	0.90	0.15	4.05	
	Ch: 60.0 to 70.0m		1	10.00	0.90	0.15	1.35	
	Wall							
	1st main 1st cross							
	LHS							
	Ch: 0 to 5.2m		2	5.20				
	Ch: 5.2 to 11.2m		2	6.00	0.15	0.60	1.08	
	Ch: 11.2 to 14.9m		2	3.70	0.15	0.60	0.67	
	Ch: 14.9 to 28.2m		2	13.30	0.15	0.60	2.39	
	Ch: 28.2 to 31.8m		2	3.60	0.15	0.60	0.65	
	Ch: 31.8 to 46.5m		2	14.70	0.15	0.60	2.65	
	RHS							
	Ch: 0 to 26.9m		2	26.90	0.15	0.60	4.84	
	Ch: 26.9 to 37.3m		2	10.40	0.15	0.60	1.87	
	Ch: 37.3 to 46.9m		2	9.60	0.15	0.60	1.73	
	1st main 2nd cross							
	LHS							
	Ch: 0 to 18.2m		2	18.20	0.15	0.60	3.28	
	Ch: 18.2 to 22.4m		2	4.20	0.15	0.60	0.76	
	Ch: 22.4 to 46.8m		2	24.40	0.15	0.60	4.39	
	RHS							
	Ch: 0 to 10.4m		2	10.40				
	Ch: 10.4 to 28.2m		2	17.80	0.15	0.60	3.20	
	Ch: 28.2 to 48.9m		2	20.70	0.15	0.60	3.73	
	1st main 3rd cross							
	LHS							
	Ch: 0 to 16.0m		2	16.00	0.15	0.60	2.88	
	Ch: 16.0 to 34.2m		2	18.20	0.15	0.60	3.28	
	Ch: 34.2 to 48.7m		2	14.50	0.15	0.60	2.61	
	RHS							
	Ch: 0 to 10.0m		2	10.00				

	Ch: 10 to 19.0m		2	9.00	0.15	0.60	1.62	
	Ch: 19 to 28.2m		2	9.20	0.15	0.60	1.66	
	Ch: 28.2 to 46.9m		2	18.70	0.15	0.60	3.37	
	1st main 4th cross							
	LHS							
	Ch: 0 to 6.5m		2	6.50	0.15	0.60	1.17	
	Ch: 6.5 to 10.3m		2	3.80	0.15	0.60	0.68	
	Ch: 10.3 to 17.3m		2	7.00	0.15	0.60	1.26	
	Ch: 17.3 to 27.2m		2	9.90	0.15	0.60	1.78	
	Ch: 27.2 to 46.7m		2	19.50	0.15	0.60	3.51	
	RHS							
	Ch: 0 to 9.8m		2	9.80				
	Ch: 9.8 to 39.8m		2	30.00	0.15	0.60	5.40	
	Ch: 39.8 to 46.9m		2	7.10	0.15	0.60	1.28	
	1st main 5th cross							
	LHS							
	Ch: 0 to 5.8m		2	5.80	0.15	0.60	1.04	
	Ch: 5.8 to 35.6m		2	29.80	0.15	0.60	5.36	
	Ch: 35.6 to 37.5m		2	1.90	0.15	0.60	0.34	
	Ch: 37.5 to 46.9m		2	9.40	0.15	0.60	1.69	
	RHS							
	Ch: 0 to 10.5m		2	10.50	0.15	0.60	1.89	
	Ch: 10.5 to 15.3m		2	4.80	0.15	0.60	0.86	
	Ch: 15.3 to 21.5m		2	6.20				
	Ch: 21.5 to 33.1m		2	11.60	0.15	0.60	2.09	
	Ch: 33.1 to 46.8m		2	13.70	0.15	0.60	2.47	
	Chandrappa Layout							
	2nd main							
	LHS							
	Ch: 0 to 7.4m		2	7.40	0.15	0.80	1.78	
	Ch: 7.4 to 10.4m		2	3.00	0.15	0.80	0.72	
	Ch: 10.4 to 13.4m		2	3.00	0.15	0.80	0.72	
	Ch: 13.4 to 22.1m		2	8.70	0.15	0.80	2.09	
	Ch: 22.1 to 25.2m		2	3.10	0.15	0.80	0.74	
	Road Gap							
	Ch: 0 to 25.1m		2	25.10	0.15	0.80	6.02	
	Road Gap							
	Ch: 0 to 26.9m		2	26.90	0.15	0.80	6.46	
	Road Gap							
	Ch: 0 to 4.6m		2	4.60	0.15	0.80	1.10	
	Ch: 4.6 to 8.3m		2	3.70	0.15	0.80	0.89	
	Ch: 8.3 to 15.6m		2	7.30	0.15	0.80	1.75	
	Ch: 15.6 to 25.1m		2	9.50				
	Road Gap							
	Ch: 0 to 9.5m		2	9.50	0.15	0.80	2.28	
	Ch: 9.5 to 12.8m		2	3.30				
	Ch: 12.8 to 25.3m		2	12.50	0.15	0.80	3.00	
	Road Gap							
	Ch: 0 to 24.6m		2	24.60	0.15	0.80	5.90	
	Road Gap							

	Ch: 0 to 25.4m		2	25.40	0.15	0.80	6.10	
	RHS							
	Ch: 0 to 26.0m		2	26.00	0.15	0.80	6.24	
	Road Gap							
	Ch: 0 to 12.0m		2	12.00	0.15	0.80	2.88	
	Ch: 12.0 to 25.2m		2	13.20				
	Road Gap							
	Ch: 0 to 13.6m		2	13.60				
	Ch: 13.6 to 26.9m		2	13.30	0.15	0.80	3.19	
	Road Gap							
	Ch: 0 to 13.2m		2	13.20				
	Ch: 13.2 to 26.4m		2	13.20	0.15	0.80	3.17	
	Road Gap							
	Ch: 0 to 26.8m		2	26.80				
	Road Gap							
	Ch: 0 to 28.2m		2	28.20	0.15	0.80	6.77	
	Ch: 28.2 to 33.4m		2	5.20	0.15	0.80	1.25	
	Ch: 33.4 to 35.2m		2	1.80	0.15	0.80	0.43	
	Ch: 35.2 to 37.0m		2	1.80	0.15	0.80	0.43	
	Ch: 37.0 to 58.8m		2	21.80	0.15	0.80	5.23	
	2nd main 1st cross							
	LHS							
	Ch: 0 to 30.0m		2	30.00	0.15	0.60	5.40	
	Ch: 30.0 to 56.0m		2	26.00	0.15	0.60	4.68	
	RHS							
	Ch: 0 to 30.0m		2	30.00	0.15	0.60	5.40	
	Ch: 30.0 to 60.0m		2	30.00	0.15	0.60	5.40	
	Ch: 60.0 to 70.0m		2	10.00	0.15	0.60	1.80	
	Culvert Raft							
	2nd main		1	7.00	1.50	0.20	2.10	
	2nd main		1	8.90	1.80	0.20	3.20	
	Culvert Wall							
	2nd main		2	7.00	0.20	0.50	1.40	
	2nd main		2	8.90	0.20	0.50	1.78	
						Present Qty	**291.79**	**Cum**

Contractor

PMC

Assistant Engineer

29/1/2020

C&C

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪವಿಭಾಗ
Executive Engineer,
ಬ.ಬ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Name of Work: Construction of RCC Drains and Culverts at Adithya Nagara, Chandrappa layout and Surrounding Areas in ward No. 03, Yelahanka Satellite Town sub Division

Date of Pre-Measurement : 30/1/2020

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
5	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications.							
	Chandrappa layout							
	Flagging course Bed							
	1st main							
	RHS From Main Road							
	Ch: 0 to 18.3m		2	18.30	0.20	0.15	1.10	
	Ch: 18.3 to 21.0m		2	2.70	0.20	0.15	0.16	
	Ch: 21 to 37.4m		2	16.40	0.20	0.15	0.98	
	Ch: 37.4 to 40.4m		2	3.00	0.20	0.15	0.18	
	Ch: 40.4 to 55.1m		2	14.70	0.20	0.15	0.88	
	Ch: 55.1 to 57.1m		2	2.00	0.20	0.15	0.12	
	Ch: 57.1 to 64.3m		2	7.20	0.20	0.15	0.43	
	Ch: 64.3 to 67.3m		2	3.00	0.20	0.15	0.18	
	Ch: 67.3 to 82.7m		2	15.40	0.20	0.15	0.92	
	Ch: 82.7 to 86.4m		2	3.70	0.20	0.15	0.22	
	Ch: 86.4 to 101.1m		2	14.70	0.20	0.15	0.88	
	Ch: 101.1 to 108.5m		2	7.40	0.20	0.15	0.44	
	Ch: 108.5 to 128.7m		2	20.20	0.20	0.15	1.21	
	Ch: 128.7 to 131.0m		2	2.30	0.20	0.15	0.14	
	Ch: 131 to 138.7m		2	7.70	0.20	0.15	0.46	
	Ch: 138.7 to 142.4m		2	3.70	0.20	0.15	0.22	
	Ch: 142.4 to 156.1m		2	13.70	0.20	0.15	0.82	
	Ch: 156.1 to 177.5m		2	21.40	0.20	0.15	1.28	
	Ch: 177.5 to 184.5m		2	7.00	0.20	0.15	0.42	
	Ch: 184.5 to 192.3m		2	7.80	0.20	0.15	0.47	
	Ch: 192.3 to 195.9m		2	3.60	0.20	0.15	0.22	
	Ch: 195.9 to 216.8m		2	20.90	0.20	0.15	1.25	
	LHS from Dead End							
	Ch: 0 to 5.0m		2	5.00	0.20	0.15	0.30	
	Ch: 5 to 8.0m		2	3.00	0.20	0.15	0.18	
	Ch: 8 to 13.9m		2	5.90	0.20	0.15	0.35	
	Ch: 13.9 to 38.9m		2	25.00	0.20	0.15	1.50	
	Road Gap							
	Ch: 0 to 5.3m		2	5.30	0.20	0.15	0.32	
	Ch: 5.3 to 7.7m		2	2.40	0.20	0.15	0.14	
	Ch: 7.7 to 14.6m		2	6.90	0.20	0.15	0.41	
	Ch: 14.6 to 22.2m		2	7.60	0.20	0.15	0.46	
	Ch: 22.2 to 29.9m		2	7.70	0.20	0.15	0.46	

Ch: 29.9 to 42.4m		2	12.50	0.20	0.15	0.75	
Ch: 42.4 to 55.1m		2	12.70	0.20	0.15	0.76	
Road Gap							
Ch: 0 to 24.2m		2	24.20	0.20	0.15	1.45	
Road Gap							
Ch: 0 to 12.9m		2	12.90	0.20	0.15	0.77	
Ch: 12.9 to 25.2m		2	12.30	0.20	0.15	0.74	
Road Gap							
Ch: 0 to 2.7m		2	2.70	0.20	0.15	0.16	
Ch: 2.7 to 4.7m		2	2.00	0.20	0.15	0.12	
Ch: 4.7 to 22.3m		2	17.60	0.20	0.15	1.06	
Ch: 22.3 to 25.3m		2	3.00	0.20	0.15	0.18	
Ch: 25.3 to 53.3m		2	28.00	0.20	0.15	1.68	
Flagging course Coping							
1st main							
RHS From Main Road							
Ch: 0 to 18.3m		2	18.30	0.15	0.08	0.44	
Ch: 18.3 to 21.0m		2	2.70	0.15	0.08	0.06	
Ch: 21 to 37.4m		2	16.40	0.15	0.08	0.39	
Ch: 37.4 to 40.4m		2	3.00	0.15	0.08	0.07	
Ch: 40.4 to 55.1m		2	14.70	0.15	0.08	0.35	
Ch: 55.1 to 57.1m		2	2.00	0.15	0.08	0.05	
Ch: 57.1 to 64.3m		2	7.20	0.15	0.08	0.17	
Ch: 64.3 to 67.3m		2	3.00	0.15	0.08	0.07	
Ch: 67.3 to 82.7m		2	15.40	0.15	0.08	0.37	
Ch: 82.7 to 86.4m		2	3.70	0.15	0.08	0.09	
Ch: 86.4 to 101.1m		2	14.70	0.15	0.08	0.35	
Ch: 101.1 to 108.5m		2	7.40	0.15	0.08	0.18	
Ch: 108.5 to 128.7m		2	20.20	0.15	0.08	0.48	
Ch: 128.7 to 131.0m		2	2.30	0.15	0.08	0.06	
Ch: 131 to 138.7m		2	7.70	0.15	0.08	0.18	
Ch: 138.7 to 142.4m		2	3.70	0.15	0.08	0.09	
Ch: 142.4 to 156.1m		2	13.70	0.15	0.08	0.33	
Ch: 156.1 to 177.5m		2	21.40	0.15	0.08	0.51	
Ch: 177.5 to 184.5m		2	7.00	0.15	0.08	0.17	
Ch: 184.5 to 192.3m		2	7.80	0.15	0.08	0.19	
Ch: 192.3 to 195.9m		2	3.60	0.15	0.08	0.09	
Ch: 195.9 to 216.8m		2	20.90	0.15	0.08	0.50	
LHS from Dead End							
Ch: 0 to 5.0m		2	5.00	0.15	0.08	0.12	
Ch: 5 to 8.0m		2	3.00	0.15	0.08	0.07	
Ch: 8 to 13.9m		2	5.90	0.15	0.08	0.14	
Ch: 13.9 to 38.9m		2	25.00	0.15	0.08	0.60	
Road Gap							
Ch: 0 to 5.3m		2	5.30	0.15	0.08	0.13	
Ch: 5.3 to 7.7m		2	2.40	0.15	0.08	0.06	
Ch: 7.7 to 14.6m		2	6.90	0.15	0.08	0.17	
Ch: 14.6 to 22.2m		2	7.60	0.15	0.08	0.18	
Ch: 22.2 to 29.9m		2	7.70	0.15	0.08	0.18	
Ch: 29.9 to 42.4m		2	12.50	0.15	0.08	0.30	

BRUHAT BANGALORE MAHANAGARA PALIKE

Ch: 42.4 to 55.1m		2	12.70	0.15	0.08	0.30	
Road Gap							
Ch: 0 to 24.2m		2	24.20	0.15	0.08	0.58	
Road Gap							
Ch: 0 to 12.9m		2	12.90	0.15	0.08	0.31	
Ch: 12.9 to 25.2m		2	12.30	0.15	0.08	0.30	
Road Gap							
Ch: 0 to 2.7m		2	2.70	0.15	0.08	0.06	
Ch: 2.7 to 4.7m		2	2.00	0.15	0.08	0.05	
Ch: 4.7 to 22.3m		2	17.60	0.15	0.08	0.42	
Ch: 22.3 to 25.3m		2	3.00	0.15	0.08	0.07	
Ch: 25.3 to 53.3m		2	28.00	0.15	0.08	0.67	
Vent Concrete							
1st main							
RHS From Main Road							
Ch: 0 to 18.3m		1	18.30	0.60	0.15	1.65	
Ch: 18.3 to 21.0m		1	2.70	0.60	0.15	0.24	
Ch: 21 to 37.4m		1	16.40	0.60	0.15	1.48	
Ch: 37.4 to 40.4m		1	3.00	0.60	0.15	0.27	
Ch: 40.4 to 55.1m		1	14.70	0.60	0.15	1.32	
Ch: 55.1 to 57.1m		1	2.00	0.60	0.15	0.18	
Ch: 57.1 to 64.3m		1	7.20	0.60	0.15	0.65	
Ch: 64.3 to 67.3m		1	3.00	0.60	0.15	0.27	
Ch: 67.3 to 82.7m		1	15.40	0.60	0.15	1.39	
Ch: 82.7 to 86.4m		1	3.70	0.60	0.15	0.33	
Ch: 86.4 to 101.1m		1	14.70	0.60	0.15	1.32	
Ch: 101.1 to 108.5m		1	7.40	0.60	0.15	0.67	
Ch: 108.5 to 128.7m		1	20.20	0.60	0.15	1.82	
Ch: 128.7 to 131.0m		1	2.30	0.60	0.15	0.21	
Ch: 131 to 138.7m		1	7.70	0.60	0.15	0.69	
Ch: 138.7 to 142.4m		1	3.70	0.60	0.15	0.33	
Ch: 142.4 to 156.1m		1	13.70	0.60	0.15	1.23	
Ch: 156.1 to 177.5m		1	21.40	0.60	0.15	1.93	
Ch: 177.5 to 184.5m		1	7.00	0.60	0.15	0.63	
Ch: 184.5 to 192.3m		1	7.80	0.60	0.15	0.70	
Ch: 192.3 to 195.9m		1	3.60	0.60	0.15	0.32	
Ch: 195.9 to 216.8m		1	20.90	0.60	0.15	1.88	
LHS from Dead End							
Ch: 0 to 5.0m		1	5.00	0.60	0.15	0.45	
Ch: 5 to 8.0m		1	3.00	0.60	0.15	0.27	
Ch: 8 to 13.9m		1	5.90	0.60	0.15	0.53	
Ch: 13.9 to 38.9m		1	25.00	0.60	0.15	2.25	
Road Gap							
Ch: 0 to 5.3m		1	5.30	0.60	0.15	0.48	
Ch: 5.3 to 7.7m		1	2.40	0.60	0.15	0.22	
Ch: 7.7 to 14.6m		1	6.90	0.60	0.15	0.62	
Ch: 14.6 to 22.2m		1	7.60	0.60	0.15	0.68	
Ch: 22.2 to 29.9m		1	7.70	0.60	0.15	0.69	
Ch: 29.9 to 42.4m		1	12.50	0.60	0.15	1.13	

BRUHAT BANGALORE MAHANAGARA PALIKE

	Ch: 42.4 to 55.1m		1	12.70	0.60	0.15	1.14	
	Road Gap							
	Ch: 0 to 24.2m		1	24.20	0.60	0.15	2.18	
	Road Gap							
	Ch: 0 to 12.9m		1	12.90	0.60	0.15	1.16	
	Ch: 12.9 to 25.2m		1	12.30	0.60	0.15	1.11	
	Road Gap							
	Ch: 0 to 2.7m		1	2.70	0.60	0.15	0.24	
	Ch: 2.7 to 4.7m		1	2.00	0.60	0.15	0.18	
	Ch: 4.7 to 22.3m		1	17.60	0.60	0.15	1.58	
	Ch: 22.3 to 25.3m		1	3.00	0.60	0.15	0.27	
	Ch: 25.3 to 53.3m		1	28.00	0.60	0.15	2.52	
						Present Qty	**71.95**	**Cum**

C&FC

30/1/2020

Contractor

BMC

Assistant Engineer

30/1/2020

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ Asst. Executive Engineer,

Name of Work: Construction of RCC Drains and Culverts at Adithya Nagara, Chandrappa layout and Surrounding Areas in ward No. 03, Yelahanka Satellite Town sub Division

Date of Pre-Measurement : 30/1/2020

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
6	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications with cement mortar 1:6							
	SSM Drain Damaged reaches							
	1st main							
	RHS From Main Road							
	Ch: 0 to 18.3m		2	18.30	0.40	0.80	11.71	
	Ch: 18.3 to 21.0m		2	2.70	0.40	0.80	1.73	
	Ch: 21 to 37.4m		2	16.40				
	Ch: 37.4 to 40.4m		2	3.00				
	Ch: 40.4 to 55.1m		2	14.70	0.40	0.80	9.41	
	Ch: 55.1 to 57.1m		2	2.00				
	Ch: 57.1 to 64.3m		2	7.20	0.40	0.80	4.61	
	Ch: 64.3 to 67.3m		2	3.00				
	Ch: 67.3 to 82.7m		2	15.40				
	Ch: 82.7 to 86.4m		2	3.70	0.40	0.80	2.37	
	Ch: 86.4 to 101.1m		2	14.70				
	Ch: 101.1 to 108.5m		2	7.40				
	Ch: 108.5 to 128.7m		2	20.20	0.40	0.80	12.93	
	Ch: 128.7 to 131.0m		2	2.30				
	Ch: 131 to 138.7m		2	7.70	0.40	0.80	4.93	
	Ch: 138.7 to 142.4m		2	3.70				
	Ch: 142.4 to 156.1m		2	13.70	0.40	0.80	8.77	
	Ch: 156.1 to 177.5m		2	21.40				
	Ch: 177.5 to 184.5m		2	7.00	0.40	0.80	4.48	
	Ch: 184.5 to 192.3m		2	7.80	0.40	0.80	4.99	
	Ch: 192.3 to 195.9m		2	3.60				
	Ch: 195.9 to 216.8m		2	20.90	0.40	0.80	13.38	
	LHS from Dead End							
	Ch: 0 to 5.0m		2	5.00				
	Ch: 5 to 8.0m		2	3.00				
	Ch: 8 to 13.9m		2	5.90	0.40	0.80	3.78	
	Ch: 13.9 to 38.9m		2	25.00				
	Road Gap							
	Ch: 0 to 5.3m		2	5.30	0.40	0.80	3.39	
	Ch: 5.3 to 7.7m		2	2.40	0.40	0.80	1.54	
	Ch: 7.7 to 14.6m		2	6.90	0.40	0.80	4.42	
	Ch: 14.6 to 22.2m		2	7.60				
	Ch: 22.2 to 29.9m		2	7.70	0.40	0.80	4.93	
	Ch: 29.9 to 42.4m		2	12.50				
	Ch: 42.4 to 55.1m		2	12.70	0.40	0.80	8.13	

	Road Gap							
	Ch: 0 to 24.2m		2	24.20				
	Road Gap							
	Ch: 0 to 12.9m		2	12.90				
	Ch: 12.9 to 25.2m		2	12.30	0.40	0.80	7.87	
	Road Gap							
	Ch: 0 to 2.7m		2	2.70				
	Ch: 2.7 to 4.7m		2	2.00				
	Ch: 4.7 to 22.3m		2	17.60	0.40	0.80	11.26	
	Ch: 22.3 to 25.3m		2	3.00				
	Ch: 25.3 to 53.3m		2	28.00	0.40	0.80	17.92	
						Present Qty	**142.53**	**Cum**

CHC

Contractor

PMC

Assistant Engineer

30/1/2020

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-೫೬

Asst. Executive Engineer,

30/1/2020

Name of Work: Construction of RCC Drains and Culverts at Adithya Nagara, Chandrappa layout and Surrounding Areas in ward No. 03, Yelahanka Satellite Town sub Division

ate of Pre-Measurement : 30/1/2020

Detailed Measurements

tem No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
7	KSRB 5-14: Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to B103 IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications.							
	Flagging course							
	1st main							
	RHS From Main Road							
	Ch: 0 to 18.3m		2	18.30		0.20	7.32	
	Ch: 18.3 to 21.0m		2	2.70		0.20	1.08	
	Ch: 21 to 37.4m		2	16.40		0.20	6.56	
	Ch: 37.4 to 40.4m		2	3.00		0.20	1.20	
	Ch: 40.4 to 55.1m		2	14.70		0.20	5.88	
	Ch: 55.1 to 57.1m		2	2.00		0.20	0.80	
	Ch: 57.1 to 64.3m		2	7.20		0.20	2.88	
	Ch: 64.3 to 67.3m		2	3.00		0.20	1.20	
	Ch: 67.3 to 82.7m		2	15.40		0.20	6.16	
	Ch: 82.7 to 86.4m		2	3.70		0.20	1.48	
	Ch: 86.4 to 101.1m		2	14.70		0.20	5.88	
	Ch: 101.1 to 108.5m		2	7.40		0.20	2.96	
	Ch: 108.5 to 128.7m		2	20.20		0.20	8.08	
	Ch: 128.7 to 131.0m		2	2.30		0.20	0.92	
	Ch: 131 to 138.7m		2	7.70		0.20	3.08	
	Ch: 138.7 to 142.4m		2	3.70		0.20	1.48	
	Ch: 142.4 to 156.1m		2	13.70		0.20	5.48	
	Ch: 156.1 to 177.5m		2	21.40		0.20	8.56	
	Ch: 177.5 to 184.5m		2	7.00		0.20	2.80	
	Ch: 184.5 to 192.3m		2	7.80		0.20	3.12	
	Ch: 192.3 to 195.9m		2	3.60		0.20	1.44	
	Ch: 195.9 to 216.8m		2	20.90		0.20	8.36	
	LHS from Dead End							
	Ch: 0 to 5.0m		2	5.00		0.20	2.00	
	Ch: 5 to 8.0m		2	3.00		0.20	1.20	
	Ch: 8 to 13.9m		2	5.90		0.20	2.36	
	Ch: 13.9 to 38.9m		2	25.00		0.20	10.00	
	Road Gap							
	Ch: 0 to 5.3m		2	5.30		0.20	2.12	
	Ch: 5.3 to 7.7m		2	2.40		0.20	0.96	
	Ch: 7.7 to 14.6m		2	6.90		0.20	2.76	
	Ch: 14.6 to 22.2m		2	7.60		0.20	3.04	
	Ch: 22.2 to 29.9m		2	7.70		0.20	3.08	
	Ch: 29.9 to 42.4m		2	12.50		0.20	5.00	
	Ch: 42.4 to 55.1m		2	12.70		0.20	5.08	

	Road Gap							
	Ch: 0 to 24.2m		2	24.20		0.20	9.68	
	Road Gap							
	Ch: 0 to 12.9m		2	12.90		0.20	5.16	
	Ch: 12.9 to 25.2m		2	12.30		0.20	4.92	
	Road Gap							
	Ch: 0 to 2.7m		2	2.70		0.20	1.08	
	Ch: 2.7 to 4.7m		2	2.00		0.20	0.80	
	Ch: 4.7 to 22.3m		2	17.60		0.20	7.04	
	Ch: 22.3 to 25.3m		2	3.00		0.20	1.20	
	Ch: 25.3 to 53.3m		2	28.00		0.20	11.20	
						Present Qty	**165.40**	**Sqm**

C&C

30/01/2020

Contractor

PMC

Assistant Engineer

30/1/2020

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Asst. Executive Engineer,

Name of Work: Construction of RCC Drains and Culverts at Adithya Nagara, Chandrappa Layout and Surrounding Areas in ward No. 03, Yelahanka Satellite Town sub Division

Date of Measurement : 13/2/2020

Detailed Measurements

Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge.									
Chandrappa layout									
RCC Drain									
1st main 1st cross									
LHS									
Ch: 0 to 5.2m		1	5.20						
Ch: 5.2 to 11.2m		1	6.00	0.90		5.40			
Ch: 11.2 to 14.9m		1	3.70	0.00		0.00			
Ch: 14.9 to 28.2m		1	13.30	0.90		11.97			
Ch: 28.2 to 31.8m		1	3.60	0.00		0.00			
Ch: 31.8 to 46.5m		1	14.70	0.90		13.23			
RHS									
Ch: 0 to 26.9m		1	26.90	0.90		24.21			
Ch: 26.9 to 37.3m		1	10.40	0.00		0.00			
Ch: 37.3 to 46.9m		1	9.60	0.90		8.64			
1st main 2nd cross									
LHS									
Ch: 0 to 18.2m		1	18.20	0.90		16.38			
Ch: 18.2 to 22.4m		1	4.20	0.00		0.00			
Ch: 22.4 to 46.8m		1	24.40	0.90		21.96			
RHS									
Ch: 0 to 10.4m		1	10.40						
Ch: 10.4 to 28.2m		1	17.80	0.00		0.00			
Ch: 28.2 to 48.9m		1	20.70	0.90		18.63			
1st main 3rd cross									
LHS									
Ch: 0 to 16.0m		1	16.00	0.90		14.40			
Ch: 16.0 to 34.2m		1	18.20	0.00		0.00			
Ch: 34.2 to 48.7m		1	14.50	0.90		13.05			
RHS									
Ch: 0 to 10.0m		1	10.00						
Ch: 10 to 19.0m		1	9.00	0.90		8.10			
Ch: 19 to 28.2m		1	9.20	0.00		0.00			
Ch: 28.2 to 46.9m		1	18.70	0.90		16.83			
1st main 4th cross									
LHS									
Ch: 0 to 6.5m		1	6.50	0.00		0.00			
Ch: 6.5 to 10.3m		1	3.80	0.90		3.42			
Ch: 10.3 to 17.3m		1	7.00	0.00		0.00			
Ch: 17.3 to 27.2m		1	9.90	0.90		8.91			
Ch: 27.2 to 46.7m		1	19.50	0.00		0.00			
RHS									
Ch: 0 to 9.8m		1	9.80						
Ch: 9.8 to 39.8m		1	30.00	0.90		27.00			

26/02/2020

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Ch: 39.8 to 46.9m		1	7.10	0.90		6.39				
1st main 5th cross										
LHS										
Ch: 0 to 5.8m		1	5.80	0.90		5.22				
Ch: 5.8 to 35.6m		1	29.80	0.00		0.00				
Ch: 35.6 to 37.5m		1	1.90	0.90		1.71				
Ch: 37.5 to 46.9m		1	9.40	0.00		0.00				
RHS										
Ch: 0 to 10.5m		1	10.50	0.90		9.45				
Ch: 10.5 to 15.3m		1	4.80	0.00		0.00				
Ch: 15.3 to 21.5m		1	6.20							
Ch: 21.5 to 33.1m		1	11.60	0.00		0.00				
Ch: 33.1 to 46.8m		1	13.70	0.90		12.33				
Chandrappa Layout										
2nd main										
LHS										
Ch: 0 to 7.4m		1	7.40	0.00		0.00				
Ch: 7.4 to 10.4m		1	3.00	0.90		2.70				
Ch: 10.4 to 13.4m		1	3.00	0.00		0.00				
Ch: 13.4 to 22.1m		1	8.70	0.90		7.83				
Ch: 22.1 to 25.2m		1	3.10	0.00		0.00				
Road Gap										
Ch: 0 to 25.1m		1	25.10	0.90		22.59				
Road Gap										
Ch: 0 to 26.9m		1	26.90	0.90		24.21				
Road Gap										
Ch: 0 to 4.6m		1	4.60	0.90		4.14				
Ch: 4.6 to 8.3m		1	3.70	0.00		0.00				
Ch: 8.3 to 15.6m		1	7.30	0.90		6.57				
Ch: 15.6 to 25.1m		1	9.50							
Road Gap										
Ch: 0 to 9.5m		1	9.50	0.90		8.55				
Ch: 9.5 to 12.8m		1	3.30							
Ch: 12.8 to 25.3m		1	12.50	0.90		11.25				
Road Gap										
Ch: 0 to 24.6m		1	24.60	0.90		22.14				
Road Gap										
Ch: 0 to 25.4m		1	25.40	0.90		22.86				
RHS										
Ch: 0 to 26.0m		1	26.00	0.90		23.40				
Road Gap										
Ch: 0 to 12.0m		1	12.00	0.90		10.80				
Ch: 12.0 to 25.2m		1	13.20							
Road Gap										
Ch: 0 to 13.6m		1	13.60							
Ch: 13.6 to 26.9m		1	13.30	0.90		11.97				
Road Gap										
Ch: 0 to 13.2m		1	13.20							
Ch: 13.2 to 26.4m		1	13.20	0.00		0.00				
Road Gap										
Ch: 0 to 26.8m		1	26.80							
Road Gap										
Ch: 0 to 28.2m		1	28.20	0.90		25.38				
Ch: 28.2 to 33.4m		1	5.20	0.00		0.00				
Ch: 33.4 to 35.2m		1	1.80	0.90		1.62				

Ch: 35.2 to 37.0m		1	1.80	0.00		0.00			
Ch: 37.0 to 58.8m		1	21.80	0.90		19.62			
2nd main1st cross									
LHS									
Ch: 0 to 30.0m		1	30.00	0.90		27.00			
Ch: 30.0 to 56.0m		1	26.00	0.90		23.40			
RHS									
Ch: 0 to 30.0m		1	30.00	0.90		27.00			
Ch: 30.0 to 60.0m		1	30.00	0.90		27.00			
Ch: 60.0 to 70.0m		1	10.00	0.90		9.00			
SSM Drain									
1st main									
RHS From Main Road									
Ch: 0 to 18.3m		1	18.30	1.20		21.96			
Ch: 18.3 to 21.0m		1	2.70			0.00			
Ch: 21 to 37.4m		1	16.40	1.20		19.68			
Ch: 37.4 to 40.4m		1	3.00			0.00			
Ch: 40.4 to 55.1m		1	14.70	1.20		17.64			
Ch: 55.1 to 57.1m		1	2.00			0.00			
Ch: 57.1 to 64.3m		1	7.20	1.20		8.64			
Ch: 64.3 to 67.3m		1	3.00			0.00			
Ch: 67.3 to 82.7m		1	15.40	1.20		18.48			
Ch: 82.7 to 86.4m		1	3.70			0.00			
Ch: 86.4 to 101.1m		1	14.70	1.20		17.64			
Ch: 101.1 to 108.5m		1	7.40			0.00			
Ch: 108.5 to 128.7m		1	20.20	1.20		24.24			
Ch: 128.7 to 131.0m		1	2.30			0.00			
Ch: 131 to 138.7m		1	7.70	1.20		9.24			
Ch: 138.7 to 142.4m		1	3.70			0.00			
Ch: 142.4 to 156.1m		1	13.70			0.00			
Ch: 156.1 to 177.5m		1	21.40	1.20		25.68			
Ch: 177.5 to 184.5m		1	7.00			0.00			
Ch: 184.5 to 192.3m		1	7.80	1.20		9.36			
Ch: 192.3 to 195.9m		1	3.60			0.00			
Ch: 195.9 to 216.8m		1	20.90	1.20		25.08			
LHS from Dead End									
Ch: 0 to 5.0m		1	5.00			0.00			
Ch: 5 to 8.0m		1	3.00	1.20		3.60			
Ch: 8 to 13.9m		1	5.90			0.00			
Ch: 13.9 to 38.9m		1	25.00	1.20		30.00			
Road Gap									
Ch: 0 to 5.3m		1	5.30	1.20		6.36			
Ch: 5.3 to 7.7m		1	2.40			0.00			
Ch: 7.7 to 14.6m		1	6.90			0.00			
Ch: 14.6 to 22.2m		1	7.60	1.20		9.12			
Ch: 22.2 to 29.9m		1	7.70	1.20		9.24			
Ch: 29.9 to 42.4m		1	12.50			0.00			
Ch: 42.4 to 55.1m		1	12.70	1.20		15.24			
Road Gap									
Ch: 0 to 24.2m		1	24.20	1.20		29.04			
Road Gap									
Ch: 0 to 12.9m		1	12.90	1.20		15.48			
Ch: 12.9 to 25.2m		1	12.30			0.00			
Road Gap									
Ch: 0 to 2.7m		1	2.70	1.20		3.24			

Ch: 2.7 to 4.7m		1	2.00			0.00			
Ch: 4.7 to 22.3m		1	17.60	1.20		21.12			
Ch: 22.3 to 25.3m		1	3.00			0.00			
Ch: 25.3 to 53.3m		1	28.00	1.20		33.60			
Deduct Available slabs		-80	0.60	1.20		-57.60			
					Present Qty	**902.34**	**Sqm**	**2337.00**	**2108769.00**

Contractor

PMC

Assistant Engineer

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ಯಲಹಂಕ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

13/2/2020

e of Work: **Construction of RCC Drains and Culverts at Adithya Nagara, Chandrappa yout and Surrounding Areas in ward No. 03, Yelahanka Satellite Town sub Division**

of Measurement : 14/2/2020

Detailed Measurements

Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge.									
Culvert									
2nd main		1	7.00	1.50		10.50			
2nd main		1	8.90	1.80		16.02			
					Present Qty	**26.52**	**Sqm**	**5418.00**	**143686.00**

C&FC

14/02/2020

Contractor

Assistant Engineer

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಬ.ಬ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Asst. Executive Engineer

14/2/2020

e of Work: Construction of RCC Drains and Culverts at Adithya Nagara, Chandrappa yout and Surrounding Areas in ward No. 03, Yelahanka Satellite Town sub Division

of Measurement : 15/2/2020

Detailed Measurements

Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Providing and fixing Pre cast solid concrete kerb stones of size 450 x 150 x 400 mmmade out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete.									
Chandrappa Layout									
2nd main									
LHS									
Ch: 0 to 7.4m		1	7.40			16.00			
Ch: 7.4 to 10.4m		1	3.00			7.00			
Ch: 10.4 to 13.4m		1	3.00			7.00			
Ch: 13.4 to 22.1m		1	8.70			19.00			
Ch: 22.1 to 25.2m		1	3.10			7.00			
Road Gap									
Ch: 0 to 25.1m		1	25.10			56.00			
Road Gap									
Ch: 0 to 26.9m		1	26.90			60.00			
Road Gap									
Ch: 0 to 4.6m		1	4.60			10.00			
Ch: 4.6 to 8.3m		1	3.70			8.00			
Ch: 8.3 to 15.6m		1	7.30			16.00			
Ch: 15.6 to 25.1m		1	9.50						
Road Gap									
Ch: 0 to 9.5m		1	9.50			21.00			
Ch: 9.5 to 12.8m		1	3.30						
Ch: 12.8 to 25.3m		1	12.50			28.00			
Road Gap									
Ch: 0 to 24.6m		1	24.60			55.00			
Road Gap									
Ch: 0 to 25.4m		1	25.40			56.00			
RHS									
Ch: 0 to 26.0m		1	26.00			58.00			
Road Gap									
Ch: 0 to 12.0m		1	12.00			27.00			
Ch: 12.0 to 25.2m		1	13.20						
Road Gap									
Ch: 0 to 13.6m		1	13.60						
Ch: 13.6 to 26.9m		1	13.30			30.00			
Road Gap									
Ch: 0 to 13.2m		1	13.20						
Ch: 13.2 to 26.4m		1	13.20			29.00			
Road Gap									
Ch: 0 to 26.8m		1	26.80						
Road Gap									
Ch: 0 to 28.2m		1	28.20			63.00			
Ch: 28.2 to 33.4m		1	5.20			12.00			
Ch: 33.4 to 35.2m		1	1.80			4.00			
Ch: 35.2 to 37.0m		1	1.80			4.00			
Ch: 37.0 to 58.8m		1	21.80			48.00			

Flagging course Drain									
1st main									
RHS From Main Road									
Ch: 0 to 18.3m		1	18.30			41.00			
Ch: 18.3 to 21.0m		1	2.70			6.00			
Ch: 21 to 37.4m		1	16.40			36.00			
Ch: 37.4 to 40.4m		1	3.00			7.00			
Ch: 40.4 to 55.1m		1	14.70			33.00			
Ch: 55.1 to 57.1m		1	2.00			4.00			
Ch: 57.1 to 64.3m		1	7.20			16.00			
Ch: 64.3 to 67.3m		1	3.00			7.00			
Ch: 67.3 to 82.7m		1	15.40			34.00			
Ch: 82.7 to 86.4m		1	3.70			8.00			
Ch: 86.4 to 101.1m		1	14.70			33.00			
Ch: 101.1 to 108.5m		1	7.40			16.00			
Ch: 108.5 to 128.7m		1	20.20			45.00			
Ch: 128.7 to 131.0m		1	2.30			5.00			
Ch: 131 to 138.7m		1	7.70			17.00			
Ch: 138.7 to 142.4m		1	3.70			8.00			
Ch: 142.4 to 156.1m		1	13.70			30.00			
Ch: 156.1 to 177.5m		1	21.40			48.00			
Ch: 177.5 to 184.5m		1	7.00			16.00			
Ch: 184.5 to 192.3m		1	7.80			17.00			
Ch: 192.3 to 195.9m		1	3.60			8.00			
Ch: 195.9 to 216.8m		1	20.90			46.00			
LHS from Dead End									
Ch: 0 to 5.0m		1	5.00			11.00			
Ch: 5 to 8.0m		1	3.00			7.00			
Ch: 8 to 13.9m		1	5.90			13.00			
Ch: 13.9 to 38.9m		1	25.00			56.00			
Road Gap									
Ch: 0 to 5.3m		1	5.30			12.00			
Ch: 5.3 to 7.7m		1	2.40			5.00			
Ch: 7.7 to 14.6m		1	6.90			15.00			
Ch: 14.6 to 22.2m		1	7.60			17.00			
Ch: 22.2 to 29.9m		1	7.70			17.00			
Ch: 29.9 to 42.4m		1	12.50			28.00			
Ch: 42.4 to 55.1m		1	12.70			28.00			
Road Gap									
Ch: 0 to 24.2m		1	24.20			54.00			
Road Gap									
Ch: 0 to 12.9m		1	12.90			29.00			
Ch: 12.9 to 25.2m		1	12.30			27.00			
Road Gap									
Ch: 0 to 2.7m		1	2.70			6.00			
Ch: 2.7 to 4.7m		1	2.00			4.00			
Ch: 4.7 to 22.3m		1	17.60			39.00			
Ch: 22.3 to 25.3m		1	3.00			7.00			
Ch: 25.3 to 53.3m		1	28.00			62.00			
					Present Qty	**1559.00**	**Nos**	**467.46**	**728771.00**

Contractor

Assistant Engineer

15/02/2020

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು,
ಯಶವಂತಪುರ ಉಪವಿಭಾಗ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

15/02/2020

35

e of Work: Construction of RCC Drains and Culverts at Adithya Nagara, Chandrappa yout and Surrounding Areas in ward No. 03, Yelahanka Satellite Town sub Division

of Measurement : 17/2/2020

Detailed Measurements

Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications.									
Chandrappa Layout									
2nd main									
LHS									
Ch: 0 to 7.4m		1	7.40		0.35	2.59			
Ch: 7.4 to 10.4m		1	3.00		0.35	1.05			
Ch: 10.4 to 13.4m		1	3.00		0.35	1.05			
Ch: 13.4 to 22.1m		1	8.70		0.35	3.05			
Ch: 22.1 to 25.2m		1	3.10		0.35	1.09			
Road Gap									
Ch: 0 to 25.1m		1	25.10		0.35	8.79			
Road Gap									
Ch: 0 to 26.9m		1	26.90		0.35	9.42			
Road Gap									
Ch: 0 to 4.6m		1	4.60		0.35	1.61			
Ch: 4.6 to 8.3m		1	3.70		0.35	1.30			
Ch: 8.3 to 15.6m		1	7.30		0.35	2.56			
Ch: 15.6 to 25.1m		1	9.50						
Road Gap									
Ch: 0 to 9.5m		1	9.50		0.35	3.33			
Ch: 9.5 to 12.8m		1	3.30						
Ch: 12.8 to 25.3m		1	12.50		0.35	4.38			
Road Gap									
Ch: 0 to 24.6m		1	24.60		0.35	8.61			
Road Gap									
Ch: 0 to 25.4m		1	25.40		0.35	8.89			
RHS									
Ch: 0 to 26.0m		1	26.00		0.35	9.10			
Road Gap									
Ch: 0 to 12.0m		1	12.00		0.35	4.20			
Ch: 12.0 to 25.2m		1	13.20						
Road Gap									
Ch: 0 to 13.6m		1	13.60						
Ch: 13.6 to 26.9m		1	13.30		0.35	4.66			
Road Gap									
Ch: 0 to 13.2m		1	13.20						
Ch: 13.2 to 26.4m		1	13.20		0.35	4.62			
Road Gap									
Ch: 0 to 26.8m		1	26.80						
Road Gap									
Ch: 0 to 28.2m		1	28.20		0.35	9.87			
Ch: 28.2 to 33.4m		1	5.20		0.35	1.82			
Ch: 33.4 to 35.2m		1	1.80		0.35	0.63			
Ch: 35.2 to 37.0m		1	1.80		0.35	0.63			
Ch: 37.0 to 58.8m		1	21.80		0.35	7.63			
Flagging course Drain									
1st main									
RHS From Main Road									

Ch: 0 to 18.3m		1	18.30		0.35	6.41			
Ch: 18.3 to 21.0m		1	2.70		0.35	0.95			
Ch: 21 to 37.4m		1	16.40		0.35	5.74			
Ch: 37.4 to 40.4m		1	3.00		0.35	1.05			
Ch: 40.4 to 55.1m		1	14.70		0.35	5.15			
Ch: 55.1 to 57.1m		1	2.00		0.35	0.70			
Ch: 57.1 to 64.3m		1	7.20		0.35	2.52			
Ch: 64.3 to 67.3m		1	3.00		0.35	1.05			
Ch: 67.3 to 82.7m		1	15.40		0.35	5.39			
Ch: 82.7 to 86.4m		1	3.70		0.35	1.30			
Ch: 86.4 to 101.1m		1	14.70		0.35	5.15			
Ch: 101.1 to 108.5m		1	7.40		0.35	2.59			
Ch: 108.5 to 128.7m		1	20.20		0.35	7.07			
Ch: 128.7 to 131.0m		1	2.30		0.35	0.81			
Ch: 131 to 138.7m		1	7.70		0.35	2.70			
Ch: 138.7 to 142.4m		1	3.70		0.35	1.30			
Ch: 142.4 to 156.1m		1	13.70		0.35	4.80			
Ch: 156.1 to 177.5m		1	21.40		0.35	7.49			
Ch: 177.5 to 184.5m		1	7.00		0.35	2.45			
Ch: 184.5 to 192.3m		1	7.80		0.35	2.73			
Ch: 192.3 to 195.9m		1	3.60		0.35	1.26			
Ch: 195.9 to 216.8m		1	20.90		0.35	7.32			
LHS from Dead End									
Ch: 0 to 5.0m		1	5.00		0.35	1.75			
Ch: 5 to 8.0m		1	3.00		0.35	1.05			
Ch: 8 to 13.9m		1	5.90		0.35	2.07			
Ch: 13.9 to 38.9m		1	25.00		0.35	8.75			
Road Gap									
Ch: 0 to 5.3m		1	5.30		0.35	1.86			
Ch: 5.3 to 7.7m		1	2.40		0.35	0.84			
Ch: 7.7 to 14.6m		1	6.90		0.35	2.42			
Ch: 14.6 to 22.2m		1	7.60		0.35	2.66			
Ch: 22.2 to 29.9m		1	7.70		0.35	2.70			
Ch: 29.9 to 42.4m		1	12.50		0.35	4.38			
Ch: 42.4 to 55.1m		1	12.70		0.35	4.45			
Road Gap									
Ch: 0 to 24.2m		1	24.20		0.35	8.47			
Road Gap									
Ch: 0 to 12.9m		1	12.90		0.35	4.52			
Ch: 12.9 to 25.2m		1	12.30		0.35	4.31			
Road Gap									
Ch: 0 to 2.7m		1	2.70		0.35	0.95			
Ch: 2.7 to 4.7m		1	2.00		0.35	0.70			
Ch: 4.7 to 22.3m		1	17.60		0.35	6.16			
Ch: 22.3 to 25.3m		1	3.00		0.35	1.05			
Ch: 25.3 to 53.3m		1	28.00		0.35	9.80			
				Present Qty		**245.56**	**Sqm**	**84.80**	**20824.00**
						Total			**8504224.00**
						12% GST			**1020507.00**
						4% KRIDL			**340169.00**
						Grand Total			**9864900.00**

C&FC

Contractor

Assistant Engineer

17/2/2020

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬ.ಬ.ಎಂ.ಕ. ಬೆಂಗಳೂರು-106
Asst. Executive Engineer

17/2/2020